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L1: Entry 1 of 2

File: JPAB

Dec 10, 1984

PUB-NO: JP359219365A

DOCUMENT-IDENTIFIER: JP 59219365 A

TITLE: POLYESTER AMIDE COPOLYMER RESIN COMPOSITION

PUBN-DATE: December 10, 1984

INVENTOR-INFORMATION:

NAME

COUNTRY

TAKAYANAGI, MOTOO

MURATA, YOSHIFUMI

ASSIGNEE-INFORMATION:

NAME

COUNTRY

KURARAY CO LTD

APPL-NO: JP58094666

APPL-DATE: May 27, 1983

US-CL-CURRENT: 524/386

INT-CL (IPC): C08L 77/12; C08K 3/24; C08K 3/34; C08K 7/14

ABSTRACT:

PURPOSE: To provide the titled compsn. having excellent mechanical strength and moldability at a low mold temp., consisting of a specified polyester amide copolymer, a reinforcing material or a filler, a carboxylate metal salt and a polyalkylene glycol.

CONSTITUTION: 10~140pts.wt. reinforcing material or filler, e.g. talc, 0.05~20pts.wt. Na or K salt of a polymer, e.g. an ethylene/methacrylic acid copolymer, contg. carboxyl groups or Na or K salt of a 7~25C carboxylic acid, e.g. stearic acid, and 0.1~10pts.wt. polyalkylene glycol of the formula III (wherein R1, R1' are each lower alkyl; R2 is a 2~4C alkylene; n is 5 or greater) is blended with 100pts.wt. polyester amide copolymer having an intrinsic viscosity of 0.5~2.0 and composed of 0.05~20wt% polyamide block having 2~40 number-average repeating units of amide unit of formula I (wherein R1, R2 are each H, methyl) and 99.95~80wt% polyester block of formula II (wherein n is 2~4).

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Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC
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☐ 2. Document ID: JP 59219365 A

L1: Entry 2 of 2

File: DWPI

Dec 10, 1984

DERWENT-ACC-NO: 1985-022917
DERWENT-WEEK: 198504
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TITLE: Polyester:amide type copolymer resin compsn. - comprising polyamide and polyester blocks, reinforcing materials, sodium salts of carboxylic acid(s) and poly:alkylene glycol(s)

PATENT-ASSIGNEE:

ASSIGNEE

KURARAY CO LTD

CODE

KURS

PRIORITY-DATA: 1983JP-0094666 (May 27, 1983)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 59219365 A	December 10, 1984		010	

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP59219365A	May 27, 1983	1983JP-0094666	

INT-CL (IPC): C08K 3/24; C08K 7/14; C08L 23/08; C08L 71/02; C08L 77/12

ABSTRACTED-PUB-NO: JP59219365A

BASIC-ABSTRACT:

Compsns. comprises 100 pts. wt. of (A) polyesteramide type copolymers having an inherent viscosity being above 0.5 and comprising 0.05-20 wt% of (A-1) polyamide block consisting of the amide unit of formula (I) and having an average continuous repetition number of the amide unit being 2-40 and 99.95-80 wt% of (A-2) polyester block comprising the ester unit of formula (II), 10-140 pts. wt. of (B) reinforcing substances or fillers, 0.05-20 pts. wt. of (C) sodium salts or potassium salts of 7-25C carboxylic acids, or sodium salts or potassium salts of carboxyl gp.-contg. polymers and 0.1-10 pts. wt. of (D) polyalkylene glycols of formula (III). R1, R2 is H or methyl gp.; n is an integer of 2-4; R3, is H or lower alkyl gps.; R4 is 2-4C alkylene gp.; m is an integer of above 5. (A-2) includes pref. polyethylene terephthalate providing the mouldings of high strength and high elasticity. Dicarboxylic acid component of (A-1) contains pref. at least 30 mole% of isophthalic acid and/or orthophthalic acid.

ADVANTAGE - Present resin compsns. show excellent mouldability at a low mould temp. as below 100 deg.C and provide the mouldings having improved dynamic strength.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: POLYESTER AMIDE TYPE COPOLYMER RESIN COMPOSITION COMPRISE POLYAMIDE POLYESTER BLOCK REINFORCED MATERIAL SODIUM SALT CARBOXYLIC ACID POLY ALKYLENE GLYCOL

DERWENT-CLASS: A23

CPI-CODES: A05-E07; A05-H01; A07-A03; A08-R01; A10-E08A; A10-E21; A12-S08;

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0005 0011 0013 0016 0037 0214 0218 0222 0044 0047 0226 0402 1279 1289
1319 1323 1325 1329 1408 1458 1460 1462 1588 1592 1602 1606 1630 1634 1672 1676 1721
2002 2014 2211 2315 2459 2545 2559 2560 2585 2628 2629 2670

Multipunch Codes: 014 02& 028 035 038 039 040 06- 074 075 09- 10& 104 141 143 147
151 155 157 163 164 165 166 169 170 171 173 175 198 200 203 206 208 230 231 240 308
31- 311 314 336 351 37- 398 437 456 476 504 512 551 560 566 567 575 583 589 688 692
720 723

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1985-009889

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC
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POLYESTER AMIDE COPOLYMER RESIN COMPOSITION

Pub. No.: 59-219365 [JP 59219365 A]

Published: December 10, 1984 (19841210)

Inventor: TAKAYANAGI MOTOO

MURATA YOSHIFUMI

Applicant: KURARAY CO LTD [000108] (A Japanese Company or Corporation), JP (Japan)

Application No.: 58-094666 [JP 8394666]

Filed: May 27, 1983 (19830527)

International Class: [3] C08L-077/12; C08K-003/24; C08K-003/34; C08K-007/14; C08L-077/12; C08L-071/02; C08L-023/08

JAPIO Class: 14.2 (ORGANIC CHEMISTRY -- High Polymer Molecular Compounds)

JAPIO Keyword: R040 (CHEMISTRY -- Reinforced Plastics); R052 (FIBERS -- Carbon Fibers)

Journal: Section: C, Section No. 276, Vol. 09, No. 88, Pg. 72, April 17, 1985 (19850417)

ABSTRACT

PURPOSE: To provide the titled composition having excellent mechanical strength and moldability at a low mold temperature, consisting of a specified polyester amide copolymer, a reinforcing material or a filler, a carboxylate metal salt and a polyalkylene glycol.

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